

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11	(clock adj (signal frequency)) same ((blank empty unwritten unrecorded) and (DVD and CD))	US-PGPUB; USPAT	OR	ON	2006/09/20 09:29
L2	10	l1 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/20 09:29
L3	31	(US-20050259549-\$ or US-20050117482-\$ or US-20040081049-\$ or US-20020126607-\$ or US-20020085470-\$ or US-20050175808-\$).did. or (US-7061846-\$ or US-6457128-\$ or US-6807136-\$ or US-6664526-\$ or US-6449232-\$ or US-6288988-\$ or US-6288987-\$ or US-6229772-\$ or US-6252834-\$ or US-6229896-\$ or US-6147941-\$ or US-6122373-\$ or US-6005832-\$ or US-5724325-\$ or US-5764610-\$ or US-5745460-\$ or US-5717669-\$ or US-5305296-\$ or US-6996052-\$ or US-7027371-\$ or US-6046968-\$ or US-6594210-\$ or US-5499225-\$ or US-6894964-\$ or US-6356522-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:11
L4	3	(l1 l2 l3) and ((discrimnat\$4 distinguish\$4 determin\$4) near2 (CD and DVD))	US-PGPUB; USPAT	OR	ON	2006/09/20 10:14
L5	724	((clock wobbl\$5 meander\$4) adj (frequency signal)) with (blank empty unwritten unrecorded)	US-PGPUB; USPAT	OR	ON	2006/09/20 10:16
L6	97	l5 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/20 10:16
L7	64	((clock wobbl\$5 meander\$4) adj (frequency signal)) with (blank empty unwritten unrecorded) with (disk disc)	US-PGPUB; USPAT	OR	ON	2006/09/20 10:50
L8	50	l7 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/20 10:17
L9	1	("5392264").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:28
L10	1	("5394383").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:32
L11	1	("5189656").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:31
L12	0	("7578925").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:29

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L13	0	("3-21205").PN.	US-PGPUB; USPAT; JPO	OR	OFF	2006/09/20 10:31
L14	1	("0321205").PN.	US-PGPUB; USPAT; JPO	OR	OFF	2006/09/20 10:31
L15	1	("5381392").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:32
L16	5	("4989195"   "5140575"   "5289451"   "5315570"   "5317549").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/20 10:32
L17	14	("5381392").URPN.	USPAT	OR	OFF	2006/09/20 10:33
L18	0	("8050547").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:50
L19	0	("08/050547").CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:50
L20	1	"08/050547"	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:51
L21	11	(hira.in. and osamu.in.)	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:52
L22	2	I21 and ((disk disc) near2 blank)	US-PGPUB; USPAT	OR	OFF	2006/09/20 10:52
L23	1	"10/336565"	US-PGPUB; USPAT	OR	OFF	2006/09/20 11:26
L24	1	isa.in. and tatsuo.in.	US-PGPUB; USPAT	OR	ON	2006/09/20 11:38
L25	43199	"369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/20 11:38
L26	21	(cd and dvd) with (discriminat\$4 distinguish\$5 determin\$4) with ((clock meander\$4 wobbl\$4) adj (signal frequency))	US-PGPUB; USPAT	OR	ON	2006/09/20 14:11
L27	5985	I25 and I25 and ((threshold maximum minimum) near2 (frequency value))	US-PGPUB; USPAT	OR	ON	2006/09/20 11:41
L28	11	I26 and I25 and ((threshold maximum minimum) near2 (frequency value))	US-PGPUB; USPAT	OR	ON	2006/09/20 14:10
L29	43199	"369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/20 14:10
L30	2559	(surface and reflection) with (distance) with (laser light)	US-PGPUB; USPAT	OR	ON	2006/09/20 14:30
L31	10	I29 and "I30"	US-PGPUB; USPAT	OR	ON	2006/09/20 14:12

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L32	980	(cd and dvd) with (discriminat\$4 distinguish\$5 determin\$4)	US-PGPUB; USPAT	OR	ON	2006/09/20 14:11
L33	0	I31 and I32	US-PGPUB; USPAT	OR	ON	2006/09/20 14:12
L34	118	I29 and I30	US-PGPUB; USPAT	OR	ON	2006/09/20 14:30
L35	7	I34 and I32	US-PGPUB; USPAT	OR	ON	2006/09/20 14:30
L36	5667	(surface and reflection) with (depth thickness distance) with (laser light)	US-PGPUB; USPAT	OR	ON	2006/09/20 14:40
L37	14	I36 and I32	US-PGPUB; USPAT	OR	ON	2006/09/20 14:31
L38	12	I37 and I29	US-PGPUB; USPAT	OR	ON	2006/09/20 14:32
L40	23300	(layer) with (depth thickness distance) with (laser beam)	US-PGPUB; USPAT	OR	ON	2006/09/20 14:40
L41	87	I40 and I32 and I29	US-PGPUB; USPAT	OR	ON	2006/09/20 14:41
L42	87	I40 and I32 and I29	US-PGPUB; USPAT	OR	OFF	2006/09/20 14:42
S1	4	((("6449232") or ("5724325") or ("5745460") or ("5764610")).PN. or (2002/0126607).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/29 13:36
S2	1	("20020126607").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/29 15:45
S3	155	369/59.19.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/30 12:05
S4	1810	((discriminat\$4 distinguish\$6 detect\$6) with (CD and DVD))	US-PGPUB; USPAT	OR	ON	2006/08/30 12:13
S5	42935	"369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/30 12:12
S6	964	S4 and S5	US-PGPUB; USPAT	OR	ON	2006/08/30 12:13
S7	7	((((discriminat\$4 distinguish\$6 detect\$6) with (CD and DVD))) same (clock adj frequency)	US-PGPUB; USPAT	OR	ON	2006/08/31 11:25
S8	1	((((discriminat\$4 distinguish\$6 detect\$6) with ((disk disc) near2 (type)))) same (clock adj frequency)	US-PGPUB; USPAT	OR	ON	2006/08/30 12:22
S9	1	("20040081049").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/30 16:19

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S10	7	((discriminat\$4 distingu\$6 detect\$6) with (CD and DVD))) same (clock adj frequency)	US-PGPUB; USPAT	OR	ON	2006/08/31 11:35
S11	0	S10 and space	US-PGPUB; USPAT	OR	ON	2006/08/31 11:25
S12	7	S10 and (length depth)	US-PGPUB; USPAT	OR	ON	2006/08/31 11:25
S13	95	((discriminat\$4 distingu\$6 detect\$6) with (CD and DVD))) and (clock adj frequency)	US-PGPUB; USPAT	OR	ON	2006/08/31 12:06
S14	61	S13 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/31 11:36
S15	16	S14 and ((size length) with (groove space))	US-PGPUB; USPAT	OR	ON	2006/08/31 11:36
S16	1819	((discriminat\$4 distingu\$6 detect\$6) with (CD and DVD)))	US-PGPUB; USPAT	OR	ON	2006/08/31 11:50
S17	95	S16 and (clock adj frequency)	US-PGPUB; USPAT	OR	ON	2006/08/31 11:50
S18	61	S17 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/31 11:51
S19	11	((discriminat\$4 distingu\$6) with (CD\$3 and DVD\$3))) and (clock adj frequency)	US-PGPUB; USPAT	OR	ON	2006/08/31 12:21
S20	8	S19 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/08/31 12:06
S21	17	((discriminat\$4 distingu\$6) with (CD\$3 and DVD\$3))) and ((time adj consum\$6)(clock adj frequency))	US-PGPUB; USPAT	OR	ON	2006/08/31 12:22
S22	22	(US-20020126607-\$ or US-20040081049-\$ or US-20020085470-\$ or US-20050259549-\$ or US-20050117482-\$).did. or (US-6449232-\$ or US-5764610-\$ or US-5745460-\$ or US-5724325-\$ or US-6005832-\$ or US-6147941-\$ or US-6229772-\$ or US-6252834-\$ or US-6288987-\$ or US-6288988-\$ or US-5717669-\$ or US-6664526-\$ or US-6229896-\$ or US-6122373-\$ or US-6457128-\$ or US-6807136-\$ or US-7061846-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/09/01 12:32
S23	15	S22 and (clock adj frequency) and (length distance) and (threshold maximum minimum reference)	US-PGPUB; USPAT	OR	ON	2006/09/01 13:54

## EAST Search History

S24	1	S23 and ((empty new unused unwritten unrecorded blank) adj (disk disc))	US-PGPUB; USPAT	OR	ON	2006/09/01 13:53
S25	24188	(clock adj frequency) and (length distance) and (threshold maximum minimum reference)	US-PGPUB; USPAT	OR	ON	2006/09/01 13:55
S26	1	S25 and S24	US-PGPUB; USPAT	OR	ON	2006/09/01 13:55
S27	1	(clock adj frequency) and ((disting\$6 discriminat\$6) near2 (CD DVD)) and ((blank empty new unused unwritten unrecorded) adj (disk disc))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:00
S28	7	(clock adj frequency) and ((disting\$6 discriminat\$6 differ\$6) near2 (CD DVD)) and ((blank empty new unused unwritten unrecorded) adj (disk disc))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:01
S29	3	(clock adj frequency) and ((disting\$6 discriminat\$6 differ\$6) near2 (CD and DVD)) and ((blank empty new unused unwritten unrecorded) adj (disk disc))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:02
S30	89	(clock adj frequency) and ((blank empty new unused unwritten unrecorded) adj (disk disc))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:54
S31	19	(clock adj frequency) and ((disting\$6 discriminat\$6 differ\$6) near2 (CD and DVD))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:02
S32	40	S30 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/01 14:24
S33	10	S32 and (clock with zero)	US-PGPUB; USPAT	OR	ON	2006/09/01 14:03
S34	40	S32 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/01 14:31
S35	0	(wobbl\$4 (wobbl\$4 adj signal)) same ((disting\$6 discriminat\$6) near2 (CD and DVD))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:49
S36	14	(wobbl\$4 (wobbl\$4 adj signal)) and ((disting\$6 discriminat\$6) near2 (CD and DVD))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:54
S37	402	(wobbl\$4 (wobbl\$4 adj signal)) and ((blank empty new unused unwritten unrecorded) adj (disk disc))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:55
S38	319	S37 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/01 14:55

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S39	98	(wobbl\$4 (wobbl\$4 adj signal)) same ((blank empty new unused unwritten unrecorded) adj (disk disc))	US-PGPUB; USPAT	OR	ON	2006/09/01 14:55
S40	0	S39 and "369.clas"	US-PGPUB; USPAT	OR	ON	2006/09/01 14:55
S41	90	S39 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/01 15:04
S42	41	S41 and (frequency with (zero low))	US-PGPUB; USPAT	OR	ON	2006/09/01 15:12
S43	54	S41 and (zero)	US-PGPUB; USPAT	OR	ON	2006/09/01 15:12
S44	15	S41 and (wobbl\$6 with zero)	US-PGPUB; USPAT	OR	ON	2006/09/01 15:12
S45	29	(US-20050259549-\$ or US-20050117482-\$ or US-20040081049-\$ or US-20020126607-\$ or US-20020085470-\$ or US-20050175808-\$).did. or (US-7061846-\$ or US-6457128-\$ or US-6807136-\$ or US-6664526-\$ or US-6449232-\$ or US-6288988-\$ or US-6288987-\$ or US-6229772-\$ or US-6252834-\$ or US-6229896-\$ or US-6147941-\$ or US-6122373-\$ or US-6005832-\$ or US-5724325-\$ or US-5764610-\$ or US-5745460-\$ or US-5717669-\$ or US-5305296-\$ or US-6996052-\$ or US-7027371-\$ or US-6046968-\$ or US-6594210-\$ or US-5499225-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/09/18 11:15
S46	19	S45 and (clock adj frequency)	US-PGPUB; USPAT	OR	ON	2006/09/18 12:35
S47	2	S45 and (clock adj frequency) and blank	US-PGPUB; USPAT	OR	ON	2006/09/18 12:36
S48	0	S45 and (clock adj frequency) and blanc	US-PGPUB; USPAT	OR	ON	2006/09/18 12:36
S49	1	S45 and (clock adj frequency) and unwritten	US-PGPUB; USPAT	OR	ON	2006/09/18 13:11
S50	1	"369".clas. and ((clock adj frequency) with zero) same (blank empty unwritten unrecorded)	US-PGPUB; USPAT	OR	ON	2006/09/18 13:12
S51	0	S45 and (clock adj frequency) and "unwritten."	US-PGPUB; USPAT	OR	ON	2006/09/18 13:11

## EAST Search History

S52	3	"369".clas. and (((meander\$6 adj signal)(wobbl\$5 adj signal)(clock adj frequency)) with zero) same (blank empty unwritten unrecorded)	US-PGPUB; USPAT	OR	ON	2006/09/18 13:13
S53	11	"369".clas. and (((meander\$6 adj signal)(wobbl\$5 adj signal)(clock adj frequency)) with (null low zero)) same (blank empty unwritten unrecorded)	US-PGPUB; USPAT	OR	ON	2006/09/18 13:26
S54	43167	"369".clas.	US-PGPUB; USPAT	OR	ON	2006/09/18 13:27
S55	431	((meander\$6 adj signal)(wobbl\$5 adj signal)(clock adj frequency)) same (blank empty unwritten unrecorded)	US-PGPUB; USPAT	OR	ON	2006/09/20 09:28
S56	115	S54 and S55	US-PGPUB; USPAT	OR	ON	2006/09/18 13:45
S57	57	S56 and (CD and DVD)	US-PGPUB; USPAT	OR	ON	2006/09/18 13:45
S58	8	S56 and ((CD and DVD) with (distinguish\$4 discriminat\$4 identif\$6 determin\$4))	US-PGPUB; USPAT	OR	ON	2006/09/18 13:46